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P/0047/63/014/002/0229/0260

ACCESSION NR: AP3001753

AUTHOR: Szydlowski, Henryk

TITLE: Magnetic anisotropy 1. Magnetic anisotropy energy

SOURCE: Postepy fizyki, v. 14, no. 2, 1963, 229-260

TOPIC TAGS: anisotropy, magnetic anisotropy, resonance, ferromagnet, crystal, exchange anisotropy, induced anisotropy

ABSTRACT: The author's article is a review of literature on the subject of magnetic anisotropy. Formulas and tables are quoted and figures reproduced from 33 papers referred to in the article. The author first discusses the magnetic anisotropy energy, pointing out the difference between anisotropic bodies and magnetic anisotropy. Anisotropic constants are tabulated for various crystals. Connection between the surface within the magnetizing curves and the anisotropy constants is pointed out. Formulas are quoted estimating anisotropic energy in various crystallographic directions. Several methods of measuring constants of magnetic anisotropy are discussed. These are: the torsion method, using resistance and compensation anisometers; the oscillation method (formulas are tabulated

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giving the second derivative of anisotropic energy and directional moment); induction method (effect of magnetic field and intensity is discussed); and the ferromagnetic resonance method, as applied to monoaxial crystals and to crystals of normal shape (formulas are given for components of the internal field and for the anisotropic field). Latest theories are given on induced anisotropy, exchange anisotropy and anisotropy of polycrystalline materials. The latter for the case of crystals oriented with the magnetic field and crystals encountered in transformer sheet steels. The mechanism of exchange anisotropy is discussed, and values for Co ferrite constants are given for various Co concentrations. "I express sincere thanks to Prof. Dr. A. Piekarz, Prof. Dr. S. Sxczeniowski and Docent Dr. Z. Pajak for their help in editing this paper." Orig. art. has: 71 equations, 21 figures and 6 tables.

ASSOCIATION: Katedra Fizyki Dos'viadchalney, Universiteta im. A. Mickievicha, Poznan (Dept. of Experimental Physics, Univ. of Poznan)

SUBMITTED: 00

DATE ACQ: 12Jun63

ENCL: 00

SUB CODE: PH

NO REF SOV: 003

OTHER: 030

Card 2/2

ACCESSION NR: AP4040361

P/0045/64/025/003/0401/0416

AUTHOR: Szydlowski, H.

TITLE: Magnetic annealing effect on the magnetic anisotropy of

cobalt ferrite crystals

SOURCE: Acta physica polonica, v. 25, no. 3, 1964, 401-416

TOPIC TAGS: cobalt ferrite, magnetic annealing effect, magnetic field heating, single crystal, single crystal anisotropy

ABSTRACT: Results in respect to anisotropy induced in cobalt ferrite single crystals and polycrystalline specimens by heating in a magnetic field are given. Anisotropy constants were measured at room temperature by the oscillation method and the ballistic method. The shape (number of maxima) of the magnetic torque curves was investigated by an oscillographic method. The dependence of the induced anisotropy constants on the temperature and time of heating in the magnetic field were investigated. Relaxation times in polycrystalline specimens were determined. With low measuring field strengths, only

APPROVED FOR RELEASE: 07/13/2001 * CIA-RDP86-00513R00175461001

SZYDLOWSKI, J.; RZEPKA, J.

Machines and equipment for the food industry at the 28th Poznan International Fair. p. 629.

PRZEGLAD MECHANICZNY. (Stowarzyszenie Inznerow i Techikow Mechanikow Polskich) Warszawa, Poland. Vol. 18, no. 19/20, Oct. 1959.

Monthly List of East Puropean Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1959. Uncl.

KROLIKOWSKA-PRASAL, Irena; SZYDLOWSKI, Jerzy

Influence of x-rays irradiation of the central nervous system of albino rats on the glycogen content in the liver cells. Ann. Univ., Lublin sect.D 16:93-107 '61.

1. Z Katedry i Zakladu Histologii i Embriologii Wydzialu Lekarskiego Akademii Medycznej w Lublinie Kierownik: prof. dr med. Stanislaw Grzycki z Katedry i Zakladu Radiologii Wydzialu Lekarskiego Akademii Medycznej w Lublinie Kierownik: doc. dr med. Kazimierz Skorzynski.

(BRAIN) (RADIATION EFFECTS) (LIVER GLYCOGEN)

POLAND

KOWALEWSKI, Jan and Jerzy SZYDLOWSKI; Second Clinic of Internal Diseases (II Klinika Chorob Wewnetrznych) AM /Akademia Medyczna -- Medical School/ in Lublin, Director: Prof Dr Med A. R. TUSZKIEWICZ and the Institute of Radiology (Zaklad Radiologii) of the AM in Lublin, Director: Prof Dr Med K. SKORZYNSKI.

"A Case of Medullary Leukemia with Skin and Extensive Bone Alterations"

Krakow, Przeglad Lekarski, Vol 18, No 12, 62, pp 474-478.

Abstract: [Authors' English summary modified] Case report of medullary leukemia, which at first was clinically and hematologically chronic, having then passed quickly into an acute form. Interesting in this case were the formation of leukemic infiltrations in the skin and extemsive changes in the bone system, which had the character of a multifocal atrophy of bone tissue. These bone alterations which appear 1/2

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POLAND

Krakow, Przeglad Lekarski, Vol 18, No 12, 62, pp 474-478 (continued).

very rarely in medullary leukemias in adults, were the cause of disturbances in calcium phosphate metabolism together with the formation of calcium metastases in kidneys. The treatment, at first with Myleran, and afterwards during the exacerbation of the disease, with Prednisolon and Purinethol did not influence in any way the course of the disease and did not contribute to the prolongation of the patient's life.

- E N D -

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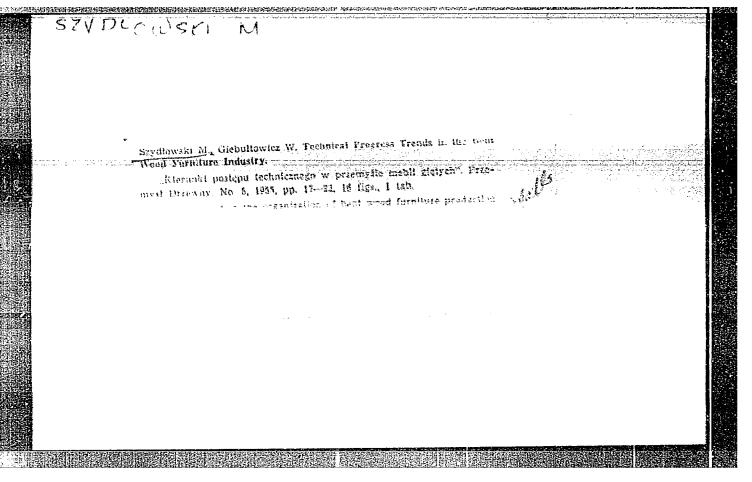
2542, 2372 CSO: 2000-N Szydlowski M.

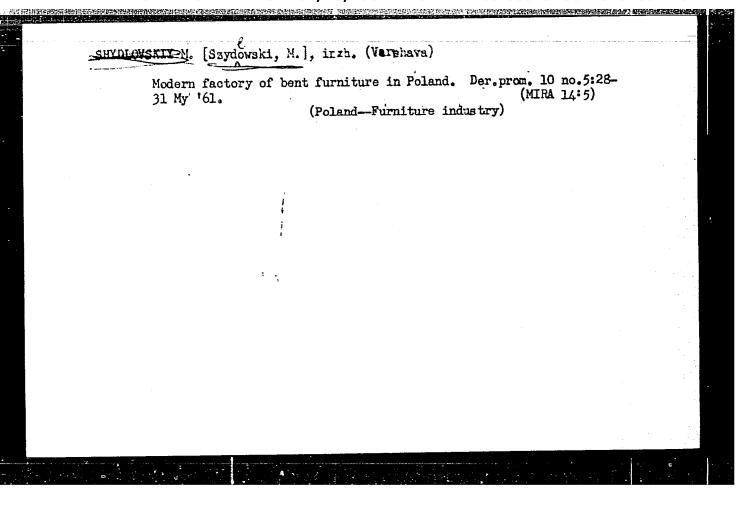
functions of the

Szydlowski M. "The Problem of Utility Furniture for the Working Class." (Problem mebla mieszkaniowego dla mas pracujacych). Przemysl Drzewny, No. 1, 1950, pp. 21-24.

The problem of mass production of furniture suitable for an average worker's household (utility furnisture) imposed itself with particular urgency in Poland after the last war. The wood industry of the People's Poland was faced by the necessity of creating new, standardized types of furniture which would meet the following requirements: 1) maximum utility combined with aesthtic design and proper finish, 2) compliance, as to dimensions and lines of design, with the standard types of dwellings, 3) considerable lowering of prices in comparison with the cost of the types hitherto prevailing, 4) construction corresponding to the possibilities of mechanical mass production with refard to the present state of technical equipment of production plants, 5) reduction of a minimum of the use of expensive materials which are an unreturnerative proposition.

SC: Polish Technical Abstracts - No. 2, 1951





SZYDLOWSKI, Marian, mernok; KOWALINSZKY, Pal [translator]

A modern bentwood furniture factory in Poland. Faipar 10 no.9:273-282 S '60.

SZYDLOWSKI, S.

"Etiquette in the milling industry." Gospodaka Zbozowa, Warszawa, Vol 5, No 7, July 1954, p. 28.

SO: Eastern European Accessions List, Vol 3, No 11, Nov 1954, L.C.

ZABLOCKI, B.; SZYDIOWSKI, S.

Hyaluronidase in staphylococci. Med. dosw. mikrob., Warss. 4 no. (CIML 23:3)

1. Summary of work progress presented at 11th Congress of Polish Microbiologists held in Krakow May 1951. 2. Lods.

SZYDLOWSKI, S.; GORZEIAK, Z.; GOSCICKI, J.; ROLICKA, M.

Studies on bactericidal properties on newly synthetized compounds from the group of aromatic chloramines. Med. dosw. mikrob. 5 no.3: (CIML 25:5)

1. Lods.

SZYDLOWSKI, STANISLAW

ZABLOCKI, Bernard; SZYDLOWSKI, Stanislaw; GORZELAK, Zofia

Viscosity of solutions of hyaluronic acid and accelerating properties in blood sedimentation; standardization of hyaluronic acid for determination of hyaluronidase titer. Med. dosw. mikrob. 6 no.2:151-160 1954.

1. Z Katedry Mikrobiologii Szczegolwej Uniwersytetu Lodzkiego.
(BLOOD SEDIMENTATION,

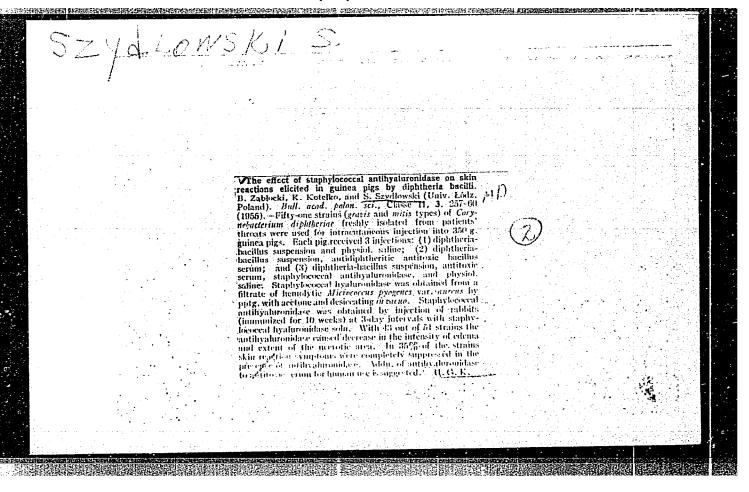
*relation to viscosity of hyaluronic soid)
(HYALURONIC ACID,

*viscosity, relation to blood sedimentation)

8. STYDLOWSKI,

B. ZABLOCKI, K. KOTELKO, S. SZYDLOWSKI: The intluence of stephylococcel entity-luronidage on the course of skin reactions due to Corynebacterium diphtheriae in guinem pigo.

30: <u>Medycyna Doswiadczalna I Mikrobiologia</u> (Excerimental Medicine and Microbiology) Fourth unrter 1955.



ZABLOCKI, Bernard; KOTEKLO, Krystyna; SZYDKOWSKI, Stanislaw.

Effect of staphylococcal antihyaluronidase on the course of cutaneous reactions to Corynebacterium diphtheriae in guinea pig. Med.dosw.mikrob. 7 no.4:353-360 1955.

1. Z Katedry Mikrobiologii Szczegolowej Uniwersytetu Lodzkiego Kierownik: prof. dr B. Zablocki.

(CORYNEBACTERIUM DIPHTHERIAE,

eff. of Staphylococcus antihyaluronidase on reactivity of skin in guinea pig to C. Diphtheriae.

(SKIN, physiology,

reactivity to Corynebacterium diphtheriae, eff. of Staphylococcus antihyaluronidase)

(HYALURONIDASE, antagonists,

Staphylococcus antihyaluronidase, eff. on skin reactivity to Corynebacterium Diphtheriae in guinea pigs)

(MICROCOCCUS PYOGENES,

antihyaluronidase from, eff. on skin reactivity to Corynebacterium diphtheriae in guinea pig)

SZYDIOWSKI, S.; ROLICKA, M.; ZABIOCKI, B.

Preparation of purified preparations of hyaluronic acid for titration of hyaluronidase. Acta microb. polon. 6 no.3:211-218 1957.

1. Z Katerdy Mikrobiologii Szczegolowej Uniwersytetu Lodzkiwgo w Lodzi.
(RYALURONIC ACID, preparation of,
purified preparation of hyaluronidase (Pol))
(RYALURONIDASE, determination,
titration with purified hyaluronic acid (Pol))

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754610011-5"

SZYDLOWSKI, S.; ZABLOCKI, B.

Heterogenetic reactions of antistaphylococcal serum with polysaccharides isolated from plant and animal tissues. Bul Ac Pol biol 7 no.5:169-171 '59. (EEAI 9:7)

1. Department of Systematic Microbiology, Lodz University. Presented by E.Mikulaszek. (STAPHYLOCOCUS) (POLYSACCHARIDES) (BOTANY) (HISTOLOGY)

(HISTOLOGY)

ZABLOCKI, Bernard; SZYDLOWSKI, Stanislaw; KOTELKO, Krystyna

Types of diphtheria bacilli occurring in the city of Lodz and their sensitivity to penicillin. Nauki matem przyrod Lodz no.7:161-169 '60.

1. Katedra Mikrobiologii Szczegolowej, Uniwersytet, Lodz.

KOTEIKO, Krystyna; SZYDLOWSKI, Stanislaw; ZARLOGKI, Bernard

Studies on phase-variability of Shigella sonnei. Communication I. Med.dosw.mikrob. 12 no.1:53-59 '60.

1. Z Katedry Mikrobiologii Szczegolowej Uniwersytetu Lodzkiego Kierownik: prof.dr B. Zablocki. (SHIGELIA)

SZYDLOWSKI, Stanislaw; KERSZMAN, Gustaw

Heterogenetic reactions of the serum of the anti-Bacillus magatherium with extracts of bacterial cells from plant and animal tissues. Nauki matem przyrod Lodz no.13:3-8 162.

1. Katedra Mikrobiologii, Universytet, Lodz.

Publishing activities of the Polish Ruch Publishing Agency.
Problemy 18 no. 12:903 162.

SZYDLOWSKI, Stanislaw

Survey of the works of Subcommission 2/2 on exploitation and tariff schedules in telephony. Przegl telekom 34 no.8:241-242 Ag 61.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754610011-5"

SZYDLOWSKI, Zygmunt

Oxygen metabolism of the liver tissue after halothane and diethyl ether anesthesia. Acta physiol. Pol. 16 no.2: 251-257 Mr-Ap 65.

1. I Katedra Chirurgii Akademii Medycznej we Wroclawiu (Kierownik: prof. dr. K. Czyzewski).

BRZECKI, Andrzej; SZEPIETOWSKI, Tomasz; SZYDLOWSKI, Zygmunt; ZAGROBELNY, Zdzislaw

Bronchial spasm as a complication of endotracheal anesthesia. Polski przegl. chir. 35 no.6:625-627 163.

1. Z I Kliniki Chirurgicznej AM we Wicclawiu Kierownik: prof. dr K. Czyzewski i z Kliniki Chorob Nerwowych AM we Wroclawiu Kierownik: prof. dr R. Arend.

(BRONCHIAL SPASM) (ANESTHESIA, INTRATRACHEAL)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754610011-5"

CZYZEWSKI, Kazimierz; JAWORSKI, Zdzislaw; SZYDLOWSKI, Zygmunt

The mechanism of jaundice following ligation of the common bile duct. Pol. przegl. chir. 35 no.7/8:761-762 163.

1. Z I Kliniki Chirurgicznej AM we Wroclawiu Kierownik: prof. dr K. Czyzewski i z L'Unite de Recherches Chirurgicales de Lyon Kierownik: prof. dr P. Mallet-Guy.

(JAUNDICE, OBSTRUCTIVE)

(COMMON BILE DUCT)

(BILIRUBIN)

(BLOOD CHEMICAL ANALYSIS)

DOLENSKI, Jan; St. Ford State, Togstoner; Zadrobecky, Tacianes

Result of the bromsulfophthalein test following surgery of the epigastrius in patients with normal and disturbed liver function: using einer and halothene enesthesia. Pol. tyg. 1ek. 20 no.3:266-268 22 F*65.

1. Z I. Klimiki Chirurgicznej Akademii Medycznej we Wroclawiu (kterownik: rrof. dr. med. Kazimierz Czyzewski).

SZYDLOWSKI, W.

SZYDLOWSKI, W. Single-tube battery receiver. p. 4.

Vol. 6, No. 6 , June 1956 RAFIOMATOR TECHNOLOGY Warszawa, Poland

So: East European Accession, Vol. 6, No. 2, Feb. 1957

SZYDLOWSKI, Z., Dr.

Experience of the industrial medical service at the Aluminium foundry at Skawina. Zdrowie pub., Warszawa no.6:430-436 Nov-Dec 54.

(INDUSTRIAL HYGIENE in Poland, med. care in foundries)

BELOWSKI, Henryk; KOTZ, Jerzy; SZYDLOWSKI, Zygmunt

Sensitivity of the intestinal mucosa to hydrechloric acid in dogs. Polski praegl. chir. 32 no.11:1059-1066 160.

1. Z I Kliniki Chirurgicznej A.M. we Wroclawiu Kierownik: prof. dr K. Czyzewski z Katedry Anatomii Patologicznej W.S.R. we Wroclawiu Kierownik: prof. dr A. Zakrzewski.

(INTESTINE physiol) (HYDROCHLORIC ACID)

SZYDLOWSKI, Zygmunt F.

Remarks on the conclusions from statistical analysis. Zdrow. publiczne no.9:415-417 S 165.

1. Z Zakladu Leczniczo-Zapobiegawczeho przy Hucie Aluminium w Skawiniw (Kierownik: dr. med. Z.F. Szydlowski).

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754610011-5"

SZYFELBEJN, E.

Zoohigiena (dia rolnikow). Wyd. 2. Warszawa, Panstwowe Wydawn. Naukowe, 1956. 224 p. (Skrypty dia szkol wyzszych) (Veterinary hygiene; for farmers. 2nd ed.) DA Not in DLC

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

SZYFELBEJN, Edward (Warszawa)

Analysis of the characteristics of temperature and humidity curves in buildings for farm animals. Rocz nauk roln wet 70 no.1/4: 144-146 '60. (EEAI 10:9)

(Domestic animals) (Farm buildings)

SZYFELBEJN, Edward; KARAS, Jozef

The problem of litter shortage on Polish farms. Postepy nauk roln 8 no.1:73-80 '61. (EEAI 10:8)

 Katedra Zoohigieny Szkoly Glownej Gospodarstwa Wiejskiego, Warszawa. (Litter(Bedding))

NIELUBOWICZ, Jan; OLSZEWSKI, Waldemar; LUKASIEWICZ, Hanna; MICHALSKI, Andrzej; ROWINSKI, Wojciech; SZYFELBEJN, Stanislaw; WIECKOWSKA, Wanda

Pathomechanism of meteorism. I. Composition of intestinal gases in paralytic ileus. Pol. przegl. chir. 36 no.5:707-715 My '64.

1. Z Zakladu Chirurgii Doswiadczalnej Polskiej Akademii Nauk (Kierownik: prof. dr J. Nielubowicz).

OLSZEWSKI, Waldemar; SZYFELBEJN, Stanislaw; ROWINSKI, Wojciech; NIELUBOWICZ, Jan.

Healing of experimental wounds of the pancreas. Pol. przegl. chir. 37 no.4:322-325 Ap¹65.

1. Z I Kliniki Chirurgicznej Akademii Medycznej w Warszawie (Kierownik: prof. dr. J. Nielubowicz).

OLSZEWSKI, Waldemar: SZYFELBEJN, Stanislaw; KRUS, Stefan

Experimental stenosis of the bile duct. Pol. przegl. chir. 36 no.62767-776 Ja 164

1. Z Zakladu Chirurgii Doswiadczalnej Polskiej Akademii Nauk (Kierownik: prof. dr. J. Nielubowicz) i z Zakladu Anatomii Patologicznej Akademii Medycznej w Warszawie (Kierownik: dos. dr. R. Stanczykowa).

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POLAND

OLSZEWSKI, Waldemar, <u>SZYFRLBRIN</u>, Stanislaw, and NIELUBOWICZ, Jan, Research Office for Experimental Surgery (Zaklad Chirurgii Doswiadczalnej) of PAN [Polska Akademia Nauk, Polish Academy of Sciences] in Warsaw (Director: Prof. Dr. Jan NIELUBOWICZ)

"Experimental Portal Hypertension and Ascites Caused by Partial Constriction of the Choledochus."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 13, 25 Mar 63, pp 457-461.

Abstract: [Authors' English summary] The constriction of the dulcus choledochus to an extent of 50-70 percent, causes in dogs, in addition to cholestasis, a complete picture of hypertension in the vena portae. The effects were noted mostly in the 13th week following operation and were expressed in increased portal pressure, development of abdominal collateral circulation, and ascites. Authors suggest this method to be used as a model for studies on hypertension in the portal vein. With the exception of one Polish one, the 27 cited references are English.

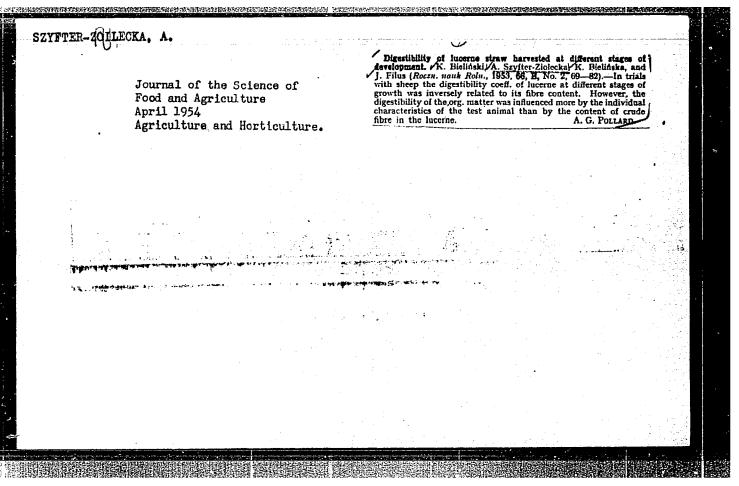
SZYFMAN, Leon; DOBRZYCKI, Jerzy

M.Piehl, a Danish historian of sciences, visiting Poland. Kwart hist nauki i tech 7 no.1/2;228-230 162.

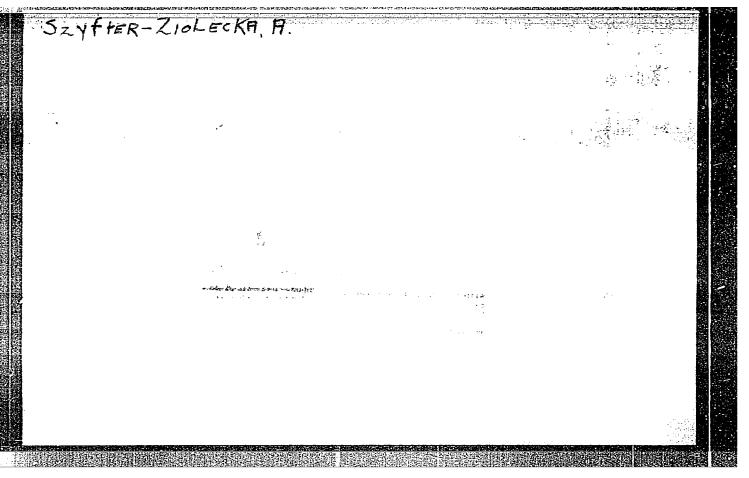
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SZYFMAN, Leon

"J.B. Lamarck and the science of evolution of the organic world" by I.M. Polakow [Polyakov, Il'ya Mikhaylovich], Reviewed by Leon Szyfman. Kwart hist nauki i tech 8 no.1:107-112 '63.



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SZYGENDOWSKI, J.

"When is the pillow unnecessary?" p. 152 (Skrzydla I Motor, Vol. 8, no. 10, Mar 53, Warszawa)

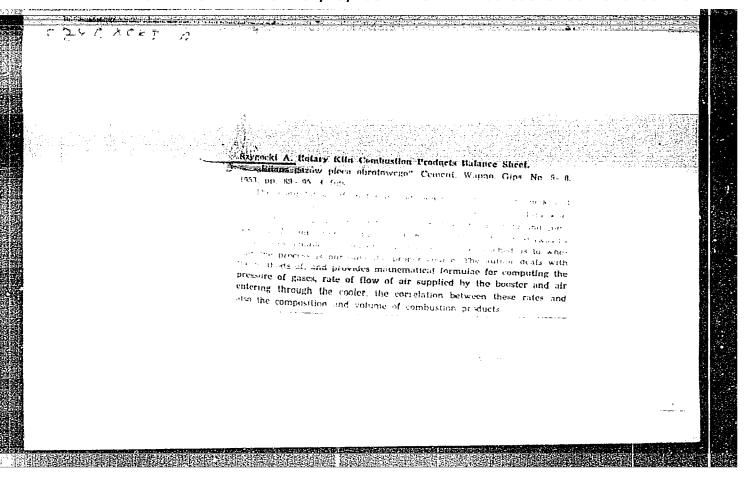
"Krakow has won the Sim award" p. 154 (Skrzydla I Motor, Vol. 8, no. 10, Mar 53, Warszawa)

SO: Monthly List of East European Accessions, Vol 2 No 9 Library of Congress Sept 53 Uncl

SZYGOCKI, A.

"Technical progress in the cement industry" p. 184 (CEMENT, WAPNO, GIFS, Vol.8, no.9 Sept. 1952 Krakow, Foland)

SO: Monthly List of East European Accessions, Vol. 2, #:, Library of Congress August 1953, Uncl.



SZYGOCKI, A.

SZYCOCKI, A. Technoligical cards in the cement industry. p. 111. EUDOWNICTWO PRZEMYSLOWE. Warszawa, Poland. Vol. 4, No..11, Nov. 1955

SOURCE: East European Accessions List (EEAL) LC Vol. 5, No. 6, June 1956

SZYGOCKI, Anatol, mgr., inz., (Sosnowiec); STARK, Zofia, mgr., inz., (Sosnowiec)

The influence of sodium sulthata on the liquidness of slurry. Cement wapno gips 16/26 no.7:237-242. 161.

(Clinker bricks) (Sodium sulphate)

SZYGOCKI, Anatol, mgr chem; NURKIEWICZ, Artur, techn mech; PIECZARA, Stefan, mgr chem.; PAJAK, Franciszek, inz.

Influence of sodium sulfite on the fluidity of sludge. Gosp paliw 11-Special issue no.(95):3-5 Ja '63.

1. Zjednoczenie Przemyslu Cementowego, Sosnowiec, (for Szygocki) and Nurkiewicz). 2. Cementownia Nowa Huta, Krakow (for Pieczara). 3. Najwyzsza Izba Kontroli, Delegatura Katowice (for Pajak).

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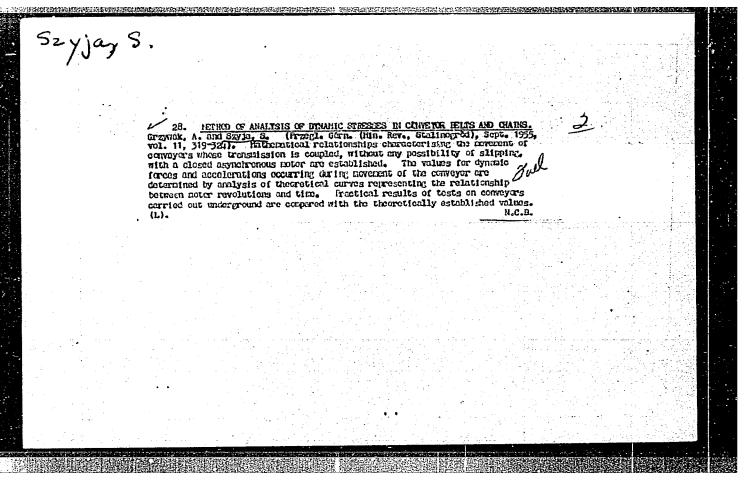
KPASUCKI, Florian, mgr inz.; SZYJA, Stanislaw, mgr inz.

Selection of the power supply voltage for mining machines in sectors of high mining concentration. Przegl gorn 20 no.10:402-410 0 '63.

SZYJA, S.

SZYJA, S. Testing the driving machinery for belt conveyers. Biuletyn. p. 9
No. 11, Vol. 11, Nov. 1955. PRZEGLAD GORNICZY. Stalinogrod, Poland.

SOURCE: East European Accessions List (EFAL) LC VOL. 5, No 6 June 1956



SZYJA, S.

IO-54 speed controller for automatization of belt conveyers. Biuletyn Mech.

p. 7 (Przeglad Gorniczy. Vol. 12, no. 7/8, July/Aug. 1956. Katowice, Poland)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2, February 1958

SZYJA, S.; GRZYWAK, A.

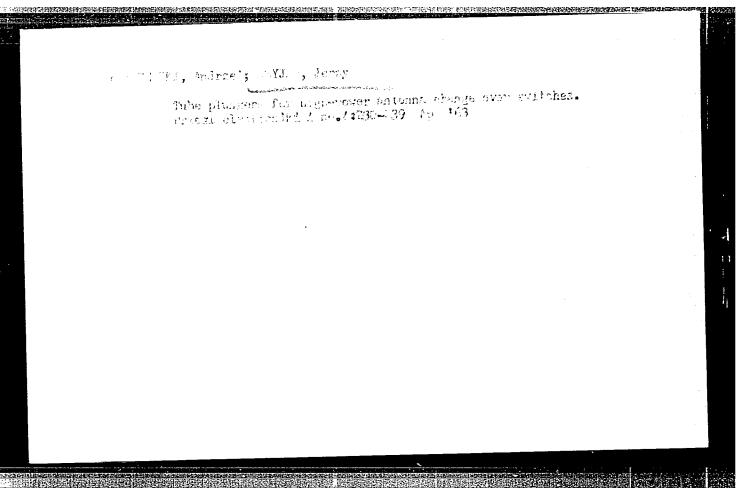
The influence of electric feeders on the output of electric motors in mines. p. 194.

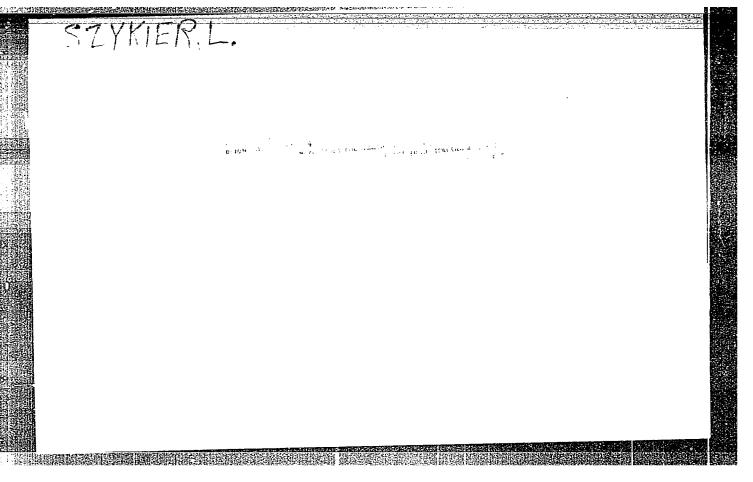
PRZEGLAD GORRICZY. Katowice, Poland, Vol. 5, no. 4, Apr. 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 9, September, 1959. Uncl.

SZYJA, Stanislaw, mgr., inz.; GRZYWAK, Andrzej, dr., inz.

Problems connected with mining electrical drives and feeding transformers. Przegl gorn 17 no.11: Suppl.: Biuletyn Zakl Konstr. Mech FW 9 no.1:8-12 61.





SZYKIER, Leon; IZDEBSKI, Marian; KULESZA, Wojciech

Results of the treatment of rheumatoid arthritis with gold salts according to observations on 656 patients. Pol. tyg. lek. 22 no.23: 912-914 4 Je '62.

1. Z Wojewodzkiej Przychodni Reumatologicznej w Lodzi; dyrektor: dr med. Leon Szykier.

(ARTHRITIS RHEUMATOID ther)

P/015/62/000/010/002/002 D001/D101

AUTHORS:

Winogradow, Leon; Widaj, Józef; Szykuła, Paweł

TITLE:

Paraffin wax as plasticizer in the production of capacitor di-

electric based on barium titanate .

PERIODICAL:

Card 1/2

Szkło i ceramika, no. 10, 1962, 303-314

TEXT: The Zakłady Ceramiki Radiowej (Radio Ceramics Plant) and the Katedra Ceramiki Szlachetnej Akademii Górniczo-Hutniczej (Chair of Ceramic Whiteware of the Metallurgical and Mining Academy) in Kraków examined the effect of paraffin wax plasticizer on the manufacture and properties of capacitor disks made of the ceramic mix BaTiO₃, ZrO₂, CaCO₃, MgCO₃, BaCO₃ and Bi₂O₃. To this end, paraffin was added to form a content of 2, 4, 6, 10, and 15%. Disks measuring 14.4 mm in diameter and 1.5, 1.0, and 0.7 mm thick were pressed at 100, 300, 800, 1,500, and 2,500 kg/cm², and heated at 60, were pressed at 100 and 3 hours, respectively. Heated disks were examined for mechanical strength and, after firing, for linear and volumentric shrinkage, absorption, bulk density, and electrical properties. Conclusions: Best

P/015/62/000/010/002/002
Paraffin wax as plasticizer in the ... P/015/62/000/010/002/002

results were achieved with a paraffin content of 4%, with disks pressed at 1,500 kg/cm² and heated at 120°C for 1 hour. Disks thus prepared had a mechanical strength of 6 kg against the minimum required 2.5 kg. Mechanical strength was established by resting a 60° conical steel point with a tip of r=0.3 on the samples and adding ballast until destruction. There are 9 tables and 17 figures. Abstracter's note: The unit in r=0.3 is not specified.

Card 2/2

WROBLEWSKA-MULARCZYKOWA, Zofia ZOLTOWSKI, Zbigniew; DOBRZYNSKI, Leszek; PRZESMYCKI, Feliks; SZYKULA, Roman; OLKOWSKA, Danuta; SWOBODZINA, Ewa; SZYMANSKI, Stanislaw; KOZLOWSKI, Slavomir: ZUKOWSKI, Kazimierz.

A search for arborviruses previously not known to occur in Poland. II. Serologic and virologic studies in selected areas of Warsaw abd Bialystok. Przegl. epidem. 18 no.4:381-390 '64.

SZYLAGYI, Agnes, dr.

Difficulties in the diagnosis of incarcerated hernia in infanoy and childhood. Magy sebesz. 17 no.1:1-5 F'64.

1. Peterfy Sandor u-i korhaz (igazgato: Galocsi, Gyorgy, dr.)
Gyormeksebeszeti osztalya (foorvos: Robert, Jozsef, dr.)
kozlemenye.

SZYLAK, A. WILCZYNSKI, Z.

In Olecko, index 16, 3, p. 4. A new state in the struggle for contracting and purchasing livestock. p. 5

ROLNIK SPOLDZIELCA (Centrala Rolniczej Spoldzielni "Sampopomoc Chlopska") Warszawa, Poland Vol. 8, No. 45, Nov. 1955

Monthly list of East European accessions (EEAI) LC, Vol. 9, No. 2, Feb. 1960

uncl.

H-27

POLAND/Chemical Technology - Chemical Products and Their Application, Part 3. - Food Industry.

: Ref Zhur - Khimiya, No 7, 1958, 23034

Jan Szyliga Author

Inst : Upon the Scientific Research Work Concerning Grains in Title

France.

: Przegl. zboz.-mlynarski, 1957, 1, No 7, 19-20 Orig Pub

: No abstract. Abstract

Card 1/1

LAWROWA, K.W.; SZYLOWA, J.A.

Clinico-diagnostic and prognostic role of urinary sediment color reaction in diphtheria patients. Pol. tyg. lek. 18 no.26: 929-931 Je 163.

1. Z Katedry Dzieciecych Schorzen Zakaznych; kierownik naukowy: doc. W.L. Eberts - Panstwowego Instytutu Medycznego w Tomsku; rektor: prof. I.W. Toropcew - na materiale Zakaznego Szpitala im. zasluzonego lekarza RSFSR G.E. Sibircewa; lekarz naczelny: L.I. Wintowkin.

(URINE) (DIPHTHERIA)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754610011-5"

是这种种种的大型,我们就是一个人,我们就是这种的人,我们就是一个人,我们就是这个人,我们就是这个人,我们就是这个人,我们就是这个人,我们就是这个人,我们就是这个 第一个人,我们就是我们是是我们是我们是我们就是我们的,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们就是我们的人,我们就是

Acoustic aspects of the Gruneisen-Dobye equation. Prim. ul-traakust. k issl. veshch. no.14:61-63 '61. (MIRA 14:12) (Molecular theory) (Sound--Speed) (Differential equations)

SZYMACHA, A.; WERLE, J.

On the problem of discrete quantum numbers for three particle states. Bul Ac Pol mat 11 no.8:557-560 163.

1. Institute of Theoretical Physics, University, Warsaw, and Institute for Nuclear Research, Polish Academy of Sciences, Warsaw. Presented by L. Infeld.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754610011-5"

是一种的一种,但是一种的一种,但是一种的一种,但是一种的一种,但是一种的一种,但是一种的一种,但是一种的一种,但是一种的一种,但是一种的一种,但是一种的一种,但

ACC NR: AP6035155 (A) SOURCE CODE: PO/0081/65/019/002/0216	/0218
BUJNOWSKI, Zbigniew, KARWOWSKA, Krystyna; SZYMAJDA-KOLLOTO, Barbara and	
MISKOWSKA-IMANICKA, Danuta: Clinic of Infectious Diseases of the Medical	
Academy (Klinika Chorob Zakaznych AM), Bialystok, and Regional Sanitary	
and Epidemiologic Station (Wojewodzka Stacja Sanitarno-Epidemiologiczna) Bialystok.	0.1
Blarystok.	2
"Epidemiologic Analysis of Mass Outbreaks of <u>Poisoning</u> in the Territory of the Bialystok Wojewodztwo 1953 to 1963."	B
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Warsaw, Przeglad Epidemiologiczny, Vol 19, No 2, 1965; r 216-218.	
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Abstract: Review of 59 outbreaks involving 929 patients, with hospitalization	1
necessary for 347 of these; 9 of the latter died of the disease. The data regarding the number of outbreaks and persons involved are given for each	
year; causative organisms and food involved are discussed, as well as diagnostic	
methods. Nost cases were due to home-processed meat products: occurrence was	
seasonal mainly May to October: only one case was due to ice creem. Presented	
at the 3rd Scientific Assembly of Polish Epidemiologists and Infectologists.	
Krakow, 5-6 Oct 64. [JPRS]	-
TOPIC TAGS: epidemiology, therapeutics	
	. L
SUB CODE: 06 / SUBM DATE: none	
Card 1/1 blg	154
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POLAND

SZMUNESS, Wolf; SIKORSKA, Jadwiga; SZYMANEK, Elzbieta; MIKOSZ, Aleksander, and CECHOWICZ, Lucja; Regional Sanitation-Epidemiology Center (Wojewodzka Stacja Sanitarno-Epidemiologiczna,) Head (Dyrektor) C. HOROCH, MD, Lublin.

Warsaw, Przeglad Epidemiologiczny, Vol 19, No 4, 1965; pp 433-439.

Abstract [English summary modified]: Strains of antibiotic-resistant Salmonella enteritidis were isolated from the throat and nose swabbings of 37 out of a total of 131 children infected with the microbe in five hospital foci. Most were quite young, below 1 year of age. Carrier state was usually permanent. Three tables, 1 Soviet, 16 Western references.

1/1

SZYMAKOWSKA, Franciszka

Bentonites from Silesian Cretaceous of the Chelm-Czarnorzeka Range. Kwartalnik geol 6 no.2:440-441 162.

1. Karpacka Stacja Terenowa, Instytut Geologiczny, Warszawa.

SZYMAKOWSKA, Franciszka

The development of Krosno deposits in some regions of the middle Carpathian Mountains. Kwartalnik geol 3 no.3:620-627 *59. (EEAI 9:7)

1. Karpacka Stacja Terenowa Instytutu Geologicznego (Poland--Geology) (Carpathian Mountains)

JASIONOWICZ, Jan; KOSZARSKI, Leszek; SZYMAKOWSKA, Franciszka

Geologic conditions of the occurrence of phosphoritic concretions in the Weglowka variegated marls in the Upper Cretaceous of the Middle

Carpathian Mountains. Kwartalnik geol 3 no.4:1016-1023 '59. (EEAI 10:1)

1. Karpacka Stacja Terenowa I.G.
(Poland--Phosphorities) (Poland--Marl)
(Carpathian Mountains)

SZYMAKOWSKA, Franciszka

A new stand of Paleocene sediments from the Skole unit at Kamiernica Dolna and Gorzejowa. Kwartalnik geol 5 no.3:613-629 '61.

1. Karpacka Stacja Instytutu Geologicznego.

SZYMAKOWSKA, Franciszka

Geological structure of the northwestern part of the Strzyzow Depression and its petroleum-bearing possibilities. Kwartalnik geol 6 no.4:798-799 '62.

1. Karpacka Stacja Terenowa, Instytut Geologiczny, Warszawa.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754610011-5"

DEYMMKOWOKH, Franciszka

POLAND

SZYMAKOWSKA, Franciszka

Carpathian Field Station, Geological Institute (Karpacka Stacja Terenowa Instytutu Geologicznego)

Warsaw, Kwartalnik geologiczny, No 3, 1963, pp 559-60.

"Influence of Frydecian (frydecki) Facia in Lower Istebnian Layers of the Silesian Series in the Profile of Kobylo near Frysztak".

JASIONOWICZ, Jan; SZYMAKOWSKA, Franciszka

Genesis of Magura nappe outliers from the vicinity of Jaslo and the Subsilesian nappe from the vicinity of Wielopole Skrzynskie. Rocz geol Krakow 33 no.1/3:363-385 '63.

1. Geologic Survey, Carpathian Branch, Krakow.

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SZYMANIAK, Ewa

The activity of foci of dental infection and the radiological examination of the periodomtium. Czas. stomat. 18 no.4:351-356 Ap. 65.

1. Z Zakladu Stomatologii Zachowawczej Akademii Medycznej w Lodzi (Kierownik: prof. dr. M. Fuchs).

The persibility of receval of active feel of the periodontium tring conservative fromtment in cases of chronic periodontium trans. 18 no.42357-361. Apl65.

3. C Zarlada Stematologii Zachowawazaj Skademil Nedycunej w fouri (Klervansk) prof. dv. N. Fudbs).

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SZYMANIAK, Ewa

New views on the diagnosis and therapy of dental foci of infection. Pol. tyg. lek. 19 no.36:1364-1367 7 S '64.

1. Z Zakladu Stomatologii Zachowawczej Akademii Medycznej w Lodzi (kierownik: prof. dr Mieczyslaw Fuchs).

在这种,以下的原理,我们就是一个人的,我们就是一个人的,我们就是一个人的,我们就是一个人的,我们就是一个人的,我们就是一个人的,我们就是一个人的,我们就是一个人的

KOZLOWSKA, Janina; KOPPT-LIPOWSKA, Halina; MURAWSKI, Kazimierz; SZYMANOWSKA, Zofia.

The hemoglobin M-Radom clinical syndrome. Pediat. Pol. 38 no.12:1043-1050 D'63

1. Z I Kliniki Pediatrycznej AM w Warszawie (kierownik:prof. dr. med. R. Baranski); z Oddzialu Dzieciecego Szpitala Miejskiego w Radomiu (ordynator: dr. med. H. Koppe-Lipowska); z Instytutu Hematologii w Warszawie (dyrektor: doc.dr. med. A. Trojanowski).

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From the activities of the Commission for the History of Forestry of the Polish Sylvan Society. Kwart hist kult mater 12 no.2:341-342 164.

SZMIDER, J.; SZYMAKOWSKI, J.

The high pressure helium-xenon gas scintillation counter as a fast neutron energy and spin polarization analyzer. Inst fiz jadr report no. 266:1-12 '63

1. Instytut Fizyki Jadrowej, Krakow.

Polarization of neutrons from the D (d,n) He reaction for deuteron energies between 5.9 and 11.3 MeV. Inst fiz jadr report no. 262:1-10 '63

1. Instytut Fizyki Jadrowej, Krakow.

POLAND/Nuclear Physics - Installations and Instruments. Methods of C-2 Measurement and Research

Abs Jour : Ref Zhur - Fizika, No 8, 1958, No 17371

Author -: Szymakowski Jan

: Not Given Inst

: Diffusion Chamber for the Investigation of Ionizing Radiation Title

Orig Pub : Zesz. nauk. Uniew. jagiell., 1955, No 3, 203-207

Abstract: The author describes in detail a constructed diffusion chan-

ber and shows photographs of tracks of ionizing particles

formed in this chamber.

: 1/1 Card

SLAVIC, I.; SZYMAKOWSKI, J.; STACHORSKA, D.; MILOJEVIC, A.; AJDACIC, V.

Distribution of temperature in a diffusion cloud chamber. Bul Inst Nucl 11:23-35 '61.

1. Institute of Nuclear Sciences "Boris Kidrich," Department of Physics, Vinca. 2. At present at the University of Lublin, Poland (for Stachorska). 3. At present at the Institute "Badan Jadrowych," Krakow, Poland (for Szymakowski).

SZYMAKOWSKI, Jan, mgr.,inz.; FIEGA, Marian, mgr.,inz.

Welding of tool joints with drilling pipes. Nafta Pol 16 no.2:
35-40 '60.

1. Instytut Naftowy, Krakow.

Syone . Wanda: In Totaka, Baltma: Syld Marild, compara; stymmiczyk, Albina

The appearance of pathogenic staphylonocci in escals of infants and co-called staphylococcal enterocolitis. Periat. Pol. 39 no.4: AC1-100 April-4.

1. d Heiniki Biagnostyli Chorob Dsieci Akademii Bedycznej w Jarszawie (Rierownik: prof. dr. med. Z. Lejmyach) i ze Stacji Sanitarno-Epidemiologicznej w Warszawie (Kierowni) Dzialu badan laberatoryjnych: dr. med. J. Jakobkiewicz).

SZYMANIEC, Stanislaw; KWIATKOWSKA, Janina

A simple method for the cultivation of leukocytes for the study of karyotypes. Postepy hig. med. dosw. 18 no.5:849-852 S-0 '64

1. 2 Zakladu Patofizjologii Instytutu Immunologii i Terapii Doswiadczelnej Polskiej Akademii Nauk im. L. Hirszfelda we Wrocławiu (kierownik: prof. dr. H. Kowarzyk) i z Zakladu Chemii Fizjologicznej Akademii Medycznej we Wrocławiu (kierownik: prof. dr. T. Baranowski).

SITKOWSKI, Waclaw; PLOCKER, Leon; SZYMANOWSKI, Jan

Successful x-ray treatment in ulcerative colitis. Pol. tyg. lek. 17 no.52:2040-2043 25 D '62.

1. Z Pracowni Radiologicznej Szpitala Miejskiego Nr 6, kierownik: dr med. I. Pronaszko, konsultant; W. Sitkowski; z Kliniki Gastrologicznej, kierownik: prof. dr med. L. Plocker i z II Kliniki Chirurgicznej Studium Doskonalenia Lekarzy: kierownik: prof. dr med. J. Dryjski. (COLITIS, ULCERATIVE)

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KOWALEWSKI, Jan, SZYMANEK, Dominik

Leukergy in diseases of the liver and the biliary tract. Polskie arch.med.wewn. 25 no.3a:629-631 '55.

1. II Klinika Chorob Wewnetrznych AM w Lublinie. Kierownik: prof dr med. A.R. Tuszkiewicz.

(Liver, diseases diag.test for leukergy)

(BILIANT TRACT, diseases diag.test for leukergy)

(LEUKOCYTES leukergy in dis.of liver & biliary tract, diag.value)

SZYMANEK, Dominik; WRONSKI, Jerzy; BRYC, Stanislaw

Diebetes insinidus with hypothalamo-pituitary-adrenal insufficienc

Diabetes insipidus with hypothalamo-pituitary-adrenal insufficiency resulting from a pineal tumor. Endokr. pol. 12 no.5:543-549 '61.

1. II Klinika Chorob Wewnetrznych AM w Lublinie Kierownik: prof. dr A.R.Tuszkiewicz Oddział Neurochirurgii przy Klinice Chorob Nerwowych AM w Lublinie Kierownik: prof. dr W.Stein Kierownik Oddziału: doc. dr H.Kozniewska Zakład Radiologii AM w Lublinie Kierownik: prof. dr K.Skorzynski.

(PINEALOMA compl) (DIABETES INSIPIDUS etiol) (HYPOTHALAMUS dis) (PITUITARY GLAND dis) (ADRENAL CORTEX dis)

KRAWCZYNSKI, Jarzy; KUJAWA, Romauld; POKORA, Jan; SZYMANEK, Dominik

A case of diabetes insipidus treated with chlorothiazide and hydrochlorothiazide. Polski tygod. lek. 16 no.43:1658-1663 23 0 '61.

1. Z II Kliniki Chorob Wewnetrznych A.M. w Lublinie; kierownik: prof. dr A.R. Tuszkiewicz i z Centralnego Laboratorium Klinicznego PSK Nr 1 w Lublinie; kierowniky: doc. dr J. Krawxzyski. (DIABETES INSIPIDUS ther) (CHLOROTHIAZIDE ther)

nandananananan kanandananan kanandan kanandan kanandan kanandan kanandan kanandan kanandan kanandan kanandan k EXCERPTA MEDICA Sec. 17 Vol. 3/3 Public Health Mar. 57 912. SZYMANIAK E. Obozu Naukowo-Badawczego A. M., Łódź, Burzeninie; Zakł. Stomatol. Zachowawczej A. M., Łódź. *Stan uzebienia młodzieży gminy Burzenin w świetle warunków bytowych i badań ogólnoustrojowych. The state of teeth of the youth in Burzenin village in the light of living conditions and the examination of the entire body CZAS. STOMAT. 1956, 9/5 (233-246) Graphs 4 Tables 9 II-The age of the youngsters ranged from 10-14 yr. Total number examined was 323 (161 males and 162 females). The percentage suffering from caries amounted to 27.2%, the average value of DMF = 7.66±0.297. The percentage of caries in temples amounted to 30.3% (DMF = 8.53 ± 0.342), in males 24.1% (DMF = 6.82 ± 0.342) 0.360). The disease increases with age. No relation was established between caries and the living conditions. Rickets in childhood does not exert any distinct influence on the stage of permanent teeth. Caries does not show any connection with the state of palatal tonsils. The inhibiting action of fluorine salts in drinking water was shown. Faulty physical posture, according to the author, seems to predispose to caries.

PIONKOWSKI, Janusz; SZYMANIAK, Ewa

2 cases of cretinism with special reference to changes in the oral cavity. Polski tygod.lek. 15 no.14:516-519 4 Ap '60.

1. Z Kliniki Psychiatrycznej A.M. w Lodzi; kierownik: doc.dr med. Stanislaw Cwynar i z Kliniki Stomatologii Zachowawchej A.M. w Lodzi; kierownik: doc.dr Mieczyslaw Fuchs. (CRETINISM case reports) (MOUTH abnorm.)

L 64673-65

ACCESSION NR: AP50231.39

P0/0059/64/018/005/0849/0852

AUTHOR: Szymaniec, Stanislaw (Wroclaw); Kwiatkowska, Janina (Wroclaw)

TITLE: Easy method of preparing leukocytes for caryotype observation

SOURCE: Postepy higieny i medycyny doswiadczalnej, v. 18, no. 5, 1964, 849-852

TOPIC TAGS: blood, experiment animal, hematology

ABSTRACT: Method based on use of polyvinyl alcohol 900 (MW 4000) and red-bear. phytohemagglutinins, permitting rapid utilization of isolated leukocytes from minimal volumes 10.5 to 1 ml) of blood is described in detail. It was tested on blood of guinea pigs, rabbits, and in 70 specimens of human blood with good results. Orig. art. has 1 figure.

ASSOCIATION: Zaklad Patofizjologii Instytutu Immunologii i Terapii Doswiadczalnej PAN im. L. Hirszfelda, Wrocław (Department of Pathology of the L. Hirszfelda Institute of Immunology and Experimental Therapy of PAN); Makiad Chemil Finjologicznej AM, Wroclaw (Department of Physical Chemistry of the MA) SUB CODE: LS

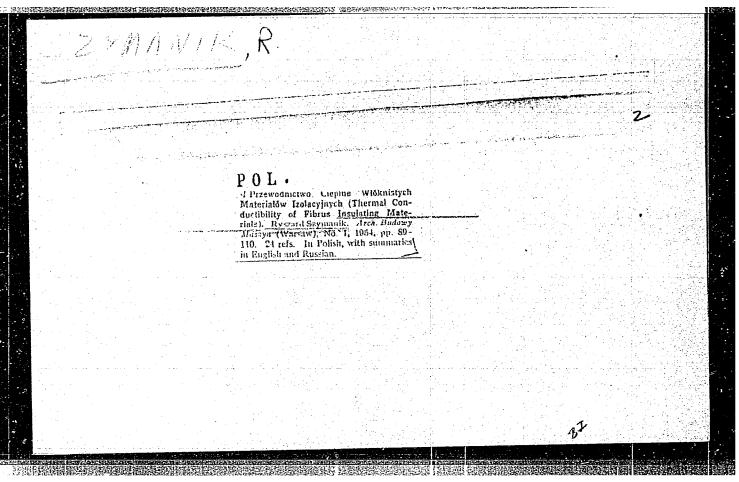
SUBMITTED: 00May64

ENCL: 00

OTHER: 015

JPRS

NO REF SOV: COO Card 1/1



SZYMANIK, Ryszard; STANISZEWSKI, Robert (Warszawa)

A certain test method of combustion chambers. Archiv bud masz 10 no. 3: 239-247 '63.

P/2535/64/000/012/0065/0069

ACCESSION NR: ATLO22288

AUTHOR: Szymanik, Ryszard

TITLE: Application of nuclear energy to rocket technology

SOURCE: Gliwice. Politiechnika Slaska. Zeszyty naukowe, no. 99, 1964. Energetyka, no. 12. Materialy na Konwersatorium Spotkanie Techniki Konwencjonalnej z Technika Nuklearna (Materials of the Conference on General and Nuclear Engineering), 65-69

TOPIC TAGS: high-speed cosmic rocket, nuclear rocket engine, low molecular mass propellant, high temperature rocket engine

AESTRACT: Higher maximum velocities are obtained by means of multistage rockets. A conventional rocket would require 2.5x10 kilograms of high-grade chemical fuel in order to be able to transport a mass of 10 kg. from Earth to the Moon and back. The size of a cosmic rocket can be tremendously reduced by utilizing nuclear energy instead. The simplest such scheme appears to consist utilizing nuclear reactor as source of heat, in place of the fuel combustion chamber. An evaluation of various types of nuclear rockets is made on the basis of

Card 1/47

ACCESSION NR: AT4022288

comparing their performance characteristics with those of conventional ones, as shown in Fig. 1 of Enclosure Ol. The two major difficulties in high-speed nuclear rocket design are: 1) the high temperature of 50000 required in the engine to make the velocity of the jet gases reach about 7 km./sec., and 2) the selection of the proper propellant material, which should have a small molecular mass. Hydrogen would be an excellent choice, if its density even in liquid state were not so low. Ammonia or water are being considered for that purpose. The first problem is essentially also one of material selection, which has not been excellent problem is shown in overcome yet. A possible solution of the high-temperature problem is shown in Fig. 2. of Enclosure O2 with a gas reactor. High unit thrusts are obtained here, but the difficulty lies in the large size of the apparatus.

ASSOCIATION: none

SURMITTED: OC

DATE ACQ: 13Apr64

ENCL: 02

SUB CODE AS, MS.

NO REF SOV: 000

OTHLR: 005

Card 2/47